OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC105158

COQ5 (NM_032314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COQ5 (NM_032314) Human Untagged Clone
Tag:	Tag Free
Symbol:	COQ5
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032314, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCCCCCGGGAGCTGTGCTCTATGGAGCTATTGCGGCCGTGGGTGGTCGCGGGCGATGCGGGGCT
GCCAGCTCCTCGGGCTTCGTAGCTCTTGGCCCGGGGACCTACTAAGTGCTCGGCTCTTGTCCCAAGAGAA
GCGGGCAGCGGAAACGCACTTTGGGTTTGAGACTGTGTCGGAAGAGGAGAAGGGGGGCAAAGTCTATCAG
GTGTTTGAAAGTGTGGCTAAGAAGTATGATGTGATGAATGATATGATGAGTCTTGGTATCCATCGTGTTT
GGAAGGATTTGCTGCTCTGGAAGATGCACCCGCTTCCTGGGACCCAGCTGCTTGATGTTGCTGGAGGCAC
AGGTGACATTGCATTCCGGTTCCTTAATTATGTTCAGTCCCAGCATCAGAGAAAACAGAAGAGGCAGTTA
AGGGCCCAACAAAATTTATCCTGGGAAGAAATTGCCAAAGAGTACCAGAATGAAGAAGATTCCTTGGGCG
GGTCTCGTGTCGTGGTGTGTGACATCAACAAGGAGATGCTAAAGGTTGGAAAGCAGAAAGCCTTGGCTCA
AGGATACAGAGCTGGACTTGCATGGGTATTAGGAGATGCTGAAGAACTGCCCTTTGATGATGACAAGTTT
GATATTTACACCATTGCCTTTGGGATCCGGAATGTCACACACATTGATCAGGCACTCCAGGAAGCTCATC
GGGTGCTGAAACCAGGAGGACGGTTTCTCTGTCTGGAATTTAGCCAAGTGAACAATCCCCTCATATCCAG
GCTTTATGATCTATATAGCTTCCAGGTCATCCCTGTCCTGGGAGAGGTCATCGCTGGAGACTGGAAGTCC
TATCAGTACCTTGTAGAGAGTATCCGAAGGTTTCCGTCTCAGGAAGAGTTCAAGGACATGATAGAAGATG
CAGGCTTTCACAAGGTGACTTACGAAAGTCTAACATCAGGCATTGTGGCCATTCATTCTGGCTTCAAACT
TTAA

View online »

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_032314 unedited
TTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGGCCCCCGGGAGCT
GTGCCCTATGGAGCTATTGCGGCCGTGGGTGGTCGCGGGCGATGCGGGGCTGCCAGCTCC
TCGGGCTTCGTAGCTCTTGGCCCGGGGACCTACTAAGTGCTCGGCTCTTGTCCCAAGAGA
AGCGGGCAGCGGAAACGCACTTTGGGTTTGAGACTGTGTCGGAAGAGGAGAAGGGGGGCA
AAGTCTATCAGGTGTTTGAAAGTGTGGCTAAGAAGTATGATGTGATGAATGATATGATGA
GTCTTGGTATCCATCGTGTTTGGAAGGATTTGCTGCTCTGGAAGATGCACCCGCTTCCTG
GGACCCAGCTGCTTGATGTTGCTGGAGGCACAGGTGACATTGCATTCCGGTTCCTTAATT
ATGTTCAGTCCCAGCATCAGAGAAAACAGAAGAGGCAGTTAAGGGCCCAACAAAATTTAT
CCTGGGAAGAAATTGCCAAAGAGTACCAGAATGAAGAAGATTCCTTGGGCGGGTCTCGTG
TCGTGGTGTGTGACATCAACAAGGAGATGCTAAAGGTTGGAAAGCAGAAAGCCTTGGCTC
AAGGATACAGAGCTGGACTTGCATGGGTATTAGGAGATGCTGAAGAACTGCCCTTTGATG
ATGACAAGTTTGATATTTACACCATTGCCTTTGGGATCCGGAATGTCACACACATTGATC
AGGCACTCCAGGAAGCTCATCGGGTGCTGAAACCAGNAAGACGGTTTCTCTGTCTGGAAT
TAGCCAAGTGAACAATCCCCCATATCCAGGCTTTATGATCTATATAGCTTNCAGGTCATN
CCTGCCTGGGGGAGAGTCATCGCTGGAGACTGGGAGTCCTANCAGTACCT
```

Restriction Sites: NotI-NotI

ACCN: NM_032314

Insert Size: 1600 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_032314.2, NP_115690.2

RefSeq Size: 1530 bp

RefSeq ORF: 1530 bp

Locus ID: 84274

UniProt ID: Q5HYK3

Cytogenetics: 12q24.31

Domains: Ubie_methyltran

Protein Families: Druggable Genome

Protein Pathways:	Metabolic pathways, Ubiquinone and other terpenoid-quinone biosynthesis
Gene Summary:	Methyltransferase required for the conversion of 2-polyprenyl-6-methoxy-1,4-benzoquinol (DDMQH2) to 2-polyprenyl-3-methyl-6-methoxy-1,4-benzoquinol (DMQH2).[UniProtKB/Swiss-Prot Function]